

EquiRay

HEAVY DUTY

**PATENTED PRODUCT
USING THE LATEST
SAFETY TECHNOLOGIES
TO PROTECT PROFESSIONALS**

MADE IN EU

WWW.EQUIRAY.COM

OUR COMPANY

Our company was founded in 2017 in the Czech Republic. Its name is derived from the words "equipment" and "ray". From the very beginning we focused on the safety and visibility of people on the road using the latest modern technologies. We introduced sports equipment to increase athletes' safety. After its success, we decided to enter the market for professional products.

We are targeting workers that require personal protection equipment – construction, manufacturing, logistics workers, police, fire brigades, emergency medical services, military, and others.

Our mission has been the same since the beginning:

“TO GET EVERYONE SAFE HOME”

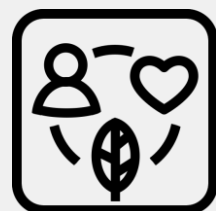
We are committed to creating products that are based on these three pillars:



**MAXIMUM
SAFETY**



**ALWAYS
RELIABLE**



**SHARED
RESPONSIBILITY**

TOP TIER TECHNOLOGY

We are using the latest technologies to illuminate and protect people. The core technology in our products is SUNFIBRE® Wearable Active Lighting Technology.

SUNFIBRE

SUNFIBRE® Wearable Active Lighting Technology is a unique optic fiber lighting system that increases visibility in darkness or lowlight conditions. Unlike retroreflective safety elements, SUNFIBRE® emits light through optic fibers encased in a textile coating, ensuring active protection. Side-emitting optic fibers provide visibility in all directions up to 3 kilometers. The properties of the textile coated optic fiber allow easy sewing into textile products and guaranteed mechanical durability and washability. The system is easy to operate and recharge.



EQUIRAY HEAVY DUTY

We are introducing EquiRay Heavy Duty. All parts are customizable to your needs. We have five default solutions for (1) workers, (2) police and EMS, (3) fire brigades, (4) personnel with need for water resistance solution, and (5) military.

All products share the same shape tested in different environments and situations, ensuring perfect fit for different body sizes with or without other layers below EquiRay Heavy Duty.



Front



Back



**WASHING
MACHINE SAFE**



**DOESNT VIOLATE
NORMS**



**VISIBLE
UP TO 3 KM**



**HIGHLY
DURABLE**



**ONE SIZE
FITS ALL**

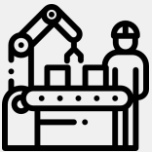


**COMFORTABLE
TO WEAR**

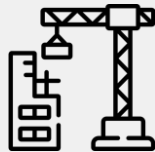


WORKERS

EquiRay Heavy Duty for workers is our solution that protects people working on the roads, constructions, in warehouses, and other places. It includes silver grey reflective stripes and active lighting with several options.



Indoor
use



Outdoor
use



Reflective
materials



Hooks
for tools

ACTIVE LIGHTING OPTIONS:

- Continuous light
- Flashing light in 3 Hz frequency
- Smart button to switch between continuous light and flashing

COLOURS OPTION:

- High Visibility Orange
- High Visibility Yellow

POWERED BY:

- Powerbank MINI 2500 mAh
- Powerbank ONPOWER 4000 mAh



AMBULANCE

POLICE & EMS

EquiRay Heavy Duty for police and emergency medical services is our solution that protects people who help others. It has blue active lighting reserved only for these special services.



Dedicated light colour to Police and EMS



Can be worn over any uniform



Reflective materials



Can be dressed quickly

ACTIVE LIGHTING OPTIONS:

- Continuous light
- Flashing light in 3 Hz frequency
- Smart button to switch between continuous light and flashing

COLOURS OPTION:

- **Blue**

POWERED BY:

- Powerbank MINI 2500 mAh
- Powerbank ONPOWER 4000 mAh



FIRE BRIGADES

EquiRay Heavy Duty for fire brigades is made from special flame-resistant materials that increase safety of firemen during the work in high heat conditions. It makes them visible in smoke and fire light.



flame
resistant
materials



High visibility
in dust and
smoke



Segmented
reflective
colour tape



Can be worn
over any
uniform

ACTIVE LIGHTING OPTIONS:

- Continuous light
- Flashing light in 3 Hz frequency
- Smart button to switch between continuous light and flashing

COLOURS OPTION:

- **High Visibility Yellow**

POWERED BY:

- Powerbank MINI 2500 mAh
- Powerbank ONPOWER 4000 mAh



WATER RESISTENT

EquiRay Heavy Duty for personnel with need for water resistance solution is certified by IP68. It can be used by fishermen, coast guards, sailors, and others who work close to water sources.



IP68

IP 68
water
resistant



High visibility
in fog and
humidity



Reflective
materials



Automaticly turn on
in case of falling to
the water*

ACTIVE LIGHTING OPTIONS:

- Continuous light
- Flashing light in 3 Hz frequency
- Smart button in Fidlock hermetic bag to switch between continuous light and flashing
- Button on Power Control to switch between continuous light and flashing

COLOURS OPTION:

- **High Visibility Orange**

POWERED BY:

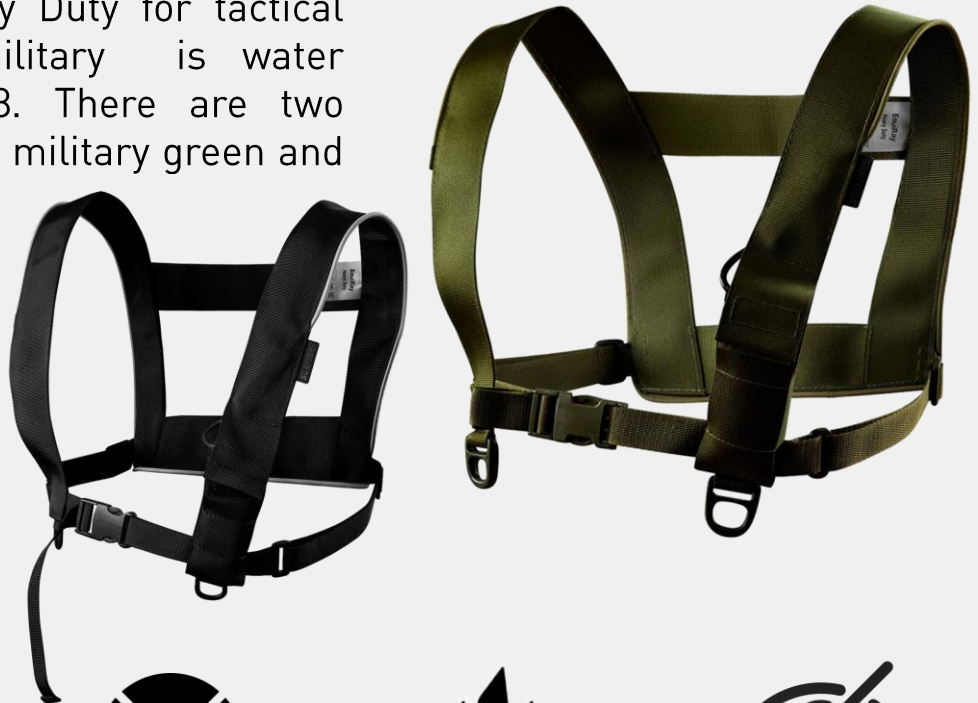
- Power Control Heavy Duty 3500 mAh
- Powerbank MINI 2500 mAh
- Powerbank ONPOWER 4000 mAh

*only with Power Control Heavy Duty



TACTICAL UNITS & MILITARY

EquiRay Heavy Duty for tactical units and military is water resistant IP68. There are two colour options military green and tactical black.



Fits colour
of the
uniform



Infra red
diod option



IP68 water
resistant



IR invisible
materials

ACTIVE LIGHTING OPTIONS:

- Button on Power Control to switch between continuous light and flashing

COLOURS OPTION:

- Grey with red diod
- Military Green with Infra red diod

POWERED BY:

- Power Control Heavy Duty 3500 mAh

CUSTOMIZATION OPTIONS

We offer variety of customizations in case that our standard products do not cover your company needs.

We can customize these parts of the vest:

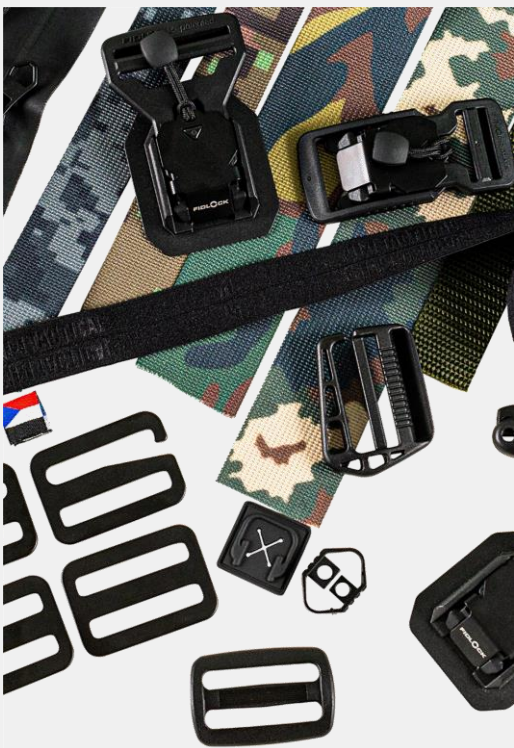
- Colour of textile
- Colour and type of elements
- Reflective textile
- Colour of lighting technology SUNFIBRE®

We also can add:

- Walkie-talkie holder
- Nametag
- Extra hooks for tools

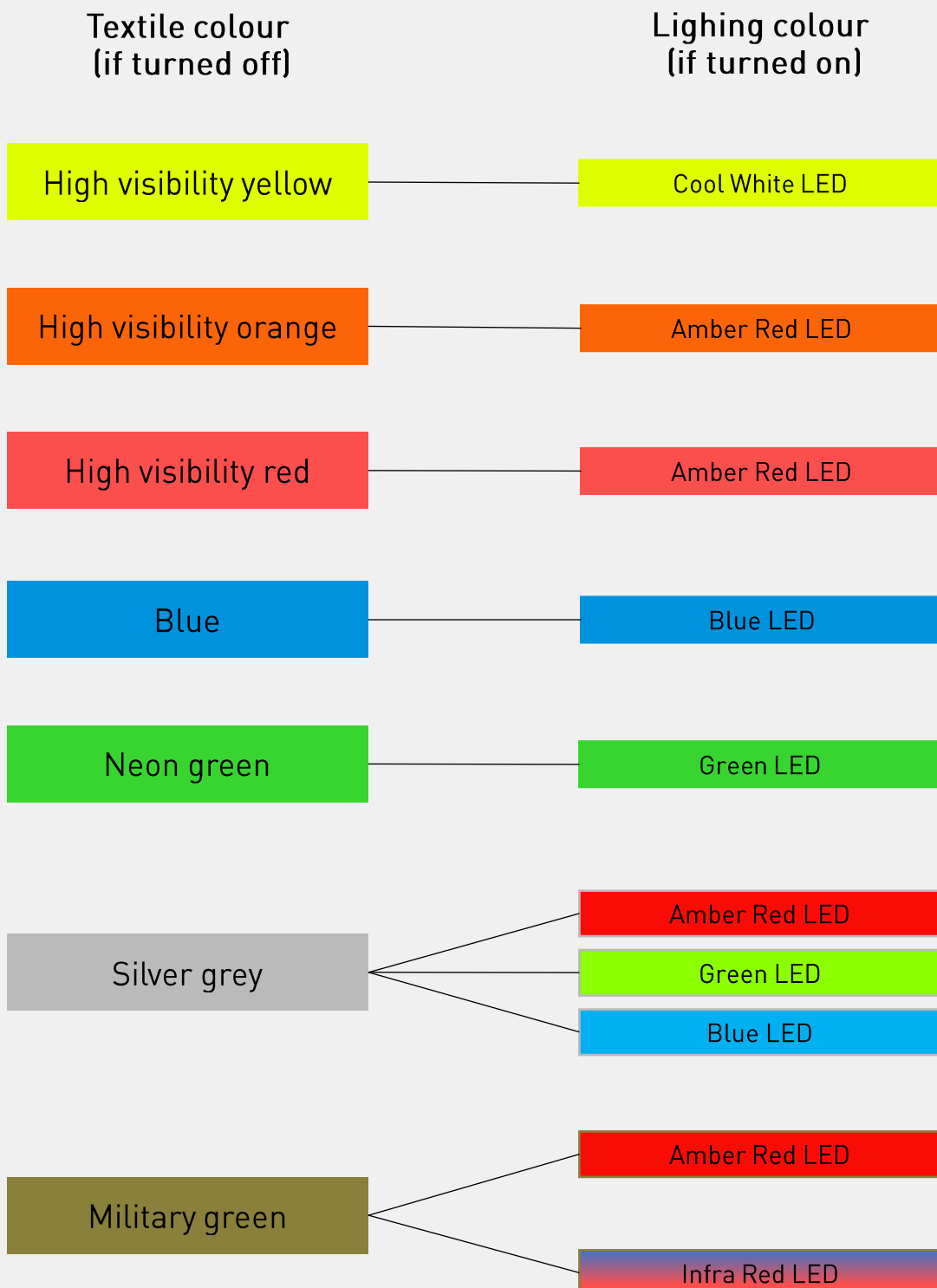
We can also create customized tags with your company name, division, etc.

Contact us with your requirements and we will come up with a solution.

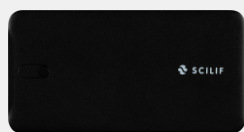


SUNFIBRE COLOUR CARD

SUNFIBRE® offers different textile colour of the coating and different lighting colour. To each textile colour there can be selected one lighting colour based on the offer below.



POWER SOURCES



Product Name	Power Bank MINI	Power Bank ONPOWER	Power Control Heavy Duty
Battery Capacity	2500 mAh	4000 mAh	3500 mAh
Description	Ultra-compact portable power bank, fireproof high-impact plastic (ABS), multiple smart protection systems		Extreme heavy duty integrated power and control unit
Working time (lower intensity)	30 hours	45 hours	50 hours
Colour	Black	Black	Silver/Blue, White, Camouflage Green, Camouflage Sand
Special Sensors (optional)	N/A	N/A	Motion Senso, Saltwater immersion
Indication	On/Off, Battery level, Charging Indicator	Battery level, Charging Indicator	Button activation, Battery level, Charging Indicator, Mode selection
Dimensions (mm)	102 x 62 x 10	99 x 66 x 13	90 x 37 x 20
Weight	69 g +/- 10 g	105 g +/- 10 g	110 g +/- 10 g
Battery type	Li-Pol	Li-Pol	Li-Ion
Average charging time (80%)	Fast Charge (30 mins)	Fast Charge (30 mins)	4.0 hours
Voltage	3,7V	3,7V	<5V
Connector type	Input: Micro USB Output: USB A	Input: Micro USB Output: USB A	Input: IP68 screw con. Output: IP68 screw con.
Certificates	CE, UKCA, RoHS, TUV	CE, UKCA, RoHS, TUV	CE, UKCA, RoHS, IP68
Safety functions	Over charging, battery draining, overheating during operation and charging		
Operating temperature range	+8°C/+35°C	+8°C/+35°C	-25°C/+45°C

**CONTACT US
WITH QUESTIONS OR
REQUEST A QUOTE**

INFO@EQUIRAY.COM